

Shin Chen

1633

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/276,868

DATE: 09/13/1999
TIME: 12:19:08

INPUT SET: S33294.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

1
2
3 (1) General Information:
4 (i) APPLICANT: Simons, Michael
5 Gao, Youhe
6 (ii) TITLE OF INVENTION: Method for PR-39 peptide regulated
7 stimulation of angiogenesis
8 (iii) NUMBER OF SEQUENCES: 14
9 (iv) CORRESPONDENCE ADDRESS:
10 (A) ADDRESSEE: David Prashker, Esq.
11 (B) STREET: P.O. Box 5387
12 (C) CITY: Magnolia
13 (D) STATE: Massachusetts
14 (E) COUNTRY: USA
15 (F) ZIP: 01930
16 (v) COMPUTER READABLE FORM:
17 (A) MEDIUM TYPE: Diskette, 3.50 inch, 1.40 Mb storage
18 (B) COMPUTER: IBM PS/1
19 (C) OPERATING SYSTEM: MS DOS
20 (D) SOFTWARE: WordPerfect version 5.1
21 (vi) CURRENT APPLICATION DATA:
22 (A) APPLICATION NUMBER: 09/276,868
23 (B) FILING DATE: March 26, 1999
24 (C) CLASSIFICATION: Unknown
25 (viii) ATTORNEY/AGENT INFORMATION:
26 (A) NAME: David Prashker, Esq.
27 (B) REGISTRATION NUMBER: 29,693
28 (C) REFERENCE/DOCKET NUMBER: BIS-043
29 (ix) TELECOMMUNICATION INFORMATION:
30 (A) TELEPHONE: (978) 525-3794
31 (2) INFORMATION FOR SEQ ID NO:1:
32 (i) SEQUENCE CHARACTERISTICS:
33 (A) LENGTH: 39 amino acids
34 (B) TYPE: amino acid
35 (C) STRANDEDNESS: single
36 (D) TOPOLOGY: linear
37 (ii) MOLECULE TYPE: peptide
38 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
39
40 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
41 1 5 10 15
42 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
43 20 25 30
44 Arg Phe Pro Pro Arg Phe Pro
45 35
46

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/276,868DATE: 09/13/1999
TIME: 12:19:08

INPUT SET: S33294.raw

47 (2) INFORMATION FOR SEQ ID NO:2:
48 (i) SEQUENCE CHARACTERISTICS:
49 (A) LENGTH: 39 amino acids
50 (B) TYPE: amino acid
51 (C) STRANDEDNESS: single
52 (D) TOPOLOGY: linear
53 (ii) MOLECULE TYPE: peptide
54 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
55
56 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
57 1 5 10 15
58 Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
59 20 25 30
60 Arg Phe Pro Pro Arg Phe Pro
61 35
62
63 (2) INFORMATION FOR SEQ ID NO:3:
64 (i) SEQUENCE CHARACTERISTICS:
65 (A) LENGTH: 15 amino acids
66 (B) TYPE: amino acid
67 (C) STRANDEDNESS: single
68 (D) TOPOLOGY: linear
69 (ii) MOLECULE TYPE: peptide
70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
71
72 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro
73 1 5 10 15
74
75 (2) INFORMATION FOR SEQ ID NO:4:
76 (i) SEQUENCE CHARACTERISTICS:
77 (A) LENGTH: 11 amino acids
78 (B) TYPE: amino acid
79 (C) STRANDEDNESS: single
80 (D) TOPOLOGY: linear
81 (ii) MOLECULE TYPE: peptide
82 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
83
84 Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg
85 1 5 10
86
87 (2) INFORMATION FOR SEQ ID NO:5:
88 (i) SEQUENCE CHARACTERISTICS:
89 (A) LENGTH: 8 amino acids
90 (B) TYPE: amino acid
91 (C) STRANDEDNESS: single
92 (D) TOPOLOGY: linear
93 (ii) MOLECULE TYPE: peptide
94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
95
96 Arg Arg Arg Pro Arg Pro Pro Tyr
97 1 5
98
99 (2) INFORMATION FOR SEQ ID NO:6:

RAW SEQUENCE LISTING PATENT APPLICATION US/09/276,868

DATE: 09/13/1999
TIME: 12:19:09

INPUT SET: S33294.raw

```

100      (i) SEQUENCE CHARACTERISTICS:
101          (A) LENGTH: 39 amino acids
102          (B) TYPE: amino acid
103          (C) STRANDEDNESS: single
104          (D) TOPOLOGY: linear
105      (ii) MOLECULE TYPE: peptide
106      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
107
108      Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg Pro Arg Pro Pro Pro
109      1          5          10          15
110      Phe Phe Pro Pro Arg Leu Pro Pro Arg Ile Pro Pro Gly Phe Pro Pro
111          20          25          30
112      Arg Phe Pro Pro Arg Phe Pro
113          35
114
115      (2) INFORMATION FOR SEQ ID NO:7:
116          (i) SEQUENCE CHARACTERISTICS:
117              (A) LENGTH: 11 amino acids
118              (B) TYPE: amino acid
119              (C) STRANDEDNESS: single
120              (D) TOPOLOGY: linear
121          (ii) MOLECULE TYPE: peptide
122          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
123
124      Arg Arg Arg Pro Arg Pro Pro Tyr Leu Pro Arg
125      1          5          10
126
127      (2) INFORMATION FOR SEQ ID NO:8:
128          (i) SEQUENCE CHARACTERISTICS:
129              (A) LENGTH: 255 amino acids
130              (B) TYPE: amino acid
131              (C) STRANDEDNESS: single
132              (D) TOPOLOGY: linear
133          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
134
135      Met Ser Ser Ile Gly Thr Gly Tyr Asp Leu Ser Ala Ser Thr Phe Ser
136      1          5          10          15
137      Pro Asp Gly Arg Val Phe Gln Val Glu Tyr Ala Met Lys Ala Val Glu
138          20          25          30
139      Asn Ser Ser Thr Ala Ile Gly Ile Arg Cys Lys Asp Gly Val Val Phe
140          35          40          45
141      Gly Val Glu Lys Leu Val Leu Ser Lys Leu Tyr Glu Glu Gly Ser Asn
142          50          55          60
143      Lys Arg Leu Phe Asn Val Asp Arg His Val Gly Met Ala Val Ala Gly
144          65          70          75          80
145      Leu Leu Ala Asp Ala Arg Ser Leu Ala Asp Ile Ala Arg Glu Glu Ala
146          85          90          95
147      Ser Asn Phe Arg Ser Asn Phe Gly Tyr Asn Ile Pro Leu Lys His Leu
148          100          105          110
149      Ala Asp Arg Val Ala Met Tyr Val His Ala Tyr Thr Leu Tyr Ser Ala
150          115          120          125
151      Val Arg Pro Phe Gly Cys Ser Phe Met Leu Gly Ser Tyr Ser Ala Asn
152          130          135          140

```

RAW SEQUENCE LISTING PATENT APPLICATION US/09/276,868

DATE: 09/13/1999

TIME: 12:19:09

INPUT SET: S33294.raw

```

153 Asp Gly Ala Gln Leu Tyr Met Ile Asp Met Ser Gly Val Ser Tyr Gly
154 145          150          155          160
155 Tyr Trp Gly Cys Ala Ile Gly Lys Ala Arg Gln Ala Ala Lys Thr Glu
156          165          170          175
157 Ile Glu Lys Leu Gln Met Lys Glu Met Thr Cys Arg Asp Val Val Lys
158          180          185          190
159 Glu Val Ala Lys Ile Ile Tyr Ile Val His Asp Glu Val Lys Asp Lys
160          195          200          205
161 Ala Phe Glu Leu Glu Leu Ser Trp Val Gly Glu Leu Thr Lys Gly Arg
162          210          215          220
163 His Glu Ile Val Pro Lys Asp Ile Arg Glu Glu Ala Glu Lys Tyr Ala
164 225          230          235          240
165 Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met
166          245          250          255

```

167

168 (2) INFORMATION FOR SEQ ID NO:9:

169 (i) SEQUENCE CHARACTERISTICS:

170 (A) LENGTH: 4 amino acids

171 (B) TYPE: amino acid

172 (C) STRANDEDNESS: single

173 (D) TOPOLOGY: linear

174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

175

176 Ala Glu Arg Asp

177 1

178

179 (2) INFORMATION FOR SEQ ID NO:10:

180 (i) SEQUENCE CHARACTERISTICS:

181 (A) LENGTH: 1 amino acid

182 (B) TYPE: amino acid

183 (C) STRANDEDNESS: single

184 (D) TOPOLOGY: linear

185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

186

187 Ala

188 1

189

190 (2) INFORMATION FOR SEQ ID NO:11:

191 (i) SEQUENCE CHARACTERISTICS:

192 (A) LENGTH: 24 amino acids

193 (B) TYPE: amino acid

194 (C) STRANDEDNESS: single

195 (D) TOPOLOGY: linear

196 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

197

198 Lys Lys His Glu Glu Glu Glu Ala Lys Ala Glu Arg Glu Lys Lys Glu

199 1 5 10 15

200 Lys Glu Gln Lys Glu Lys Asp Lys

201 20

202

203 (2) INFORMATION FOR SEQ ID NO:12:

204 (i) SEQUENCE CHARACTERISTICS:

205 (A) LENGTH: 16 amino acids

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/276,868DATE: 09/13/1999
TIME: 12:19:09

INPUT SET: S33294.raw

206 (B) TYPE: amino acid
207 (C) STRANDEDNESS: single
208 (D) TOPOLOGY: linear
209 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
210
211 Glu Lys Glu Lys Glu Glu Asn Glu Lys Lys Lys Gln Lys Lys Ala Ser
212 1 5 10 15
213
214 (2) INFORMATION FOR SEQ ID NO:13:
215 (i) SEQUENCE CHARACTERISTICS:
216 (A) LENGTH: 27 amino acids
217 (B) TYPE: amino acid
218 (C) STRANDEDNESS: single
219 (D) TOPOLOGY: linear
220 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
221
222 Glu Glu Arg Pro Gln Arg Lys Ala Gln Pro Ala Gln Pro Ala Asp Glu
223 1 5 10 15
224 Pro Ala Glu Lys Ala Asp Glu Pro Met Glu His
225 20 25
226
227 (2) INFORMATION FOR SEQ ID NO:14:
228 (i) SEQUENCE CHARACTERISTICS:
229 (A) LENGTH: 16 amino acids
230 (B) TYPE: amino acid
231 (C) STRANDEDNESS: single
232 (D) TOPOLOGY: linear
233 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
234
235 Ala Lys Glu Ser Leu Lys Glu Glu Asp Glu Ser Asp Asp Asp Asn Met
236 1 5 10 15
237

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/276,868

DATE: 09/13/1999
TIME: 12:19:10

INPUT SET: S33294.raw

Line	Error	Original Text
24	Wrong Classification	(C) CLASSIFICATION: Unknown